

PRODUCT: TRIPLE C #450

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: T DONOVAN & SON (1997) LTD.
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CANADA E2M 3V2
TOLL FREE: 1-888-799-2645 / LOCAL (506) 642-1500

PRODUCT NAME: Triple C #450

CHEMICAL FORMULA: Na₆P₆O₁₈

CHEMICAL FAMILY: Metaphosphate Polymer.

MATERIAL USE: Water Treatment (Corrosion Control, Scale Control).

EMERGENCY PHONE NUMBER: (613)-996-6666

SECTION 02: HAZARDS IDENTIFICATION

SIGNAL WORD: None.

HAZARD CLASSIFICATION: Not Classified.

HAZARD STATEMENT: This substance does not meet the criteria for classification. While this material is not considered hazardous by Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR (Code of Federal Regulations) 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product.

PRECAUTIONARY STATEMENT: None.

OTHER HAZARDS: None.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS #	WT. %
Polyphosphoric Acids, Sodium Salts	68915-31-1	15 - 20

Definitions:

CAS - Chemical Abstract Service registry number.

WT. % - Percent Weight.

SECTION 04: FIRST AID MEASURES

GENERAL ADVICE: Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

IN CASE OF SKIN CONTACT: If on skin, wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Remove clothing and wash thoroughly before use.

IN CASE OF EYE CONTACT: In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

IF SWALLOWED: If victim is conscious and alert, give 2-3 glasses of water to drink. Induce vomiting by touching back of throat with a finger. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

IF INHALED: Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If signs/symptoms continue, get medical attention.

THE MOST IMPORTANT SYMPTOMS AND EFFECTS, WHETHER ACUTE OR DELAYED:

Refer to Section 11 - Toxicological Information.

NOTES TO PHYSICIAN:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

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SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY:	Non-combustible.
SUITABLE EXTINGUISHING MEDIA:	Use extinguishing media suitable for surrounding fire.
HAZARDOUS COMBUSTION PRODUCTS:	None known.
ADVICE FOR FIREFIGHTERS:	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. For LARGE FIRES: Move containers from fire area if you can do it without risk; Do not scatter spilled material with high pressure water streams; and Dike fire-control water for later disposal.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Do not touch or walk through spilled material.
EMERGENCY PROCEDURES:	Keep unauthorized personnel away.
ENVIRONMENTAL PRECAUTIONS:	Runoff from fire control or dilution water may cause pollution. Spills may be reportable to the National Response Center (800-424-8802) and to Federal, Provincial and/or local agencies.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Prevent material from entering sewers. Flush with water to remove any residue. Comply with all Federal, Provincial, and local regulations.
REFERENCE TO OTHER SECTIONS:	Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Avoid direct or prolonged contact with skin and eyes. Keep containers closed when not in use.
CONDITIONS FOR SAFE STORAGE:	Store in an area that is cool and dry.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits/Guidelines: No exposure limits were found for this product or any of its ingredient(s).

INGREDIENT(S)	ACGIH TLV		OSHA PEL		NIOSH REL
	TWA	STEL	TWA	STEL	
Polyphosphoric Acids, Sodium Salts	-	-	-	-	-

Definitions:

- ACGIH - American Conference of Governmental Industrial Hygienists.
- NIOSH - National Institute for Occupational Safety and Health.
- OSHA - Occupational Safety and Health Administration.
- PEL - Permissible Exposure Limit.
- RELs - Recommended Exposure Limits.
- STEL - Short-term Exposure Limit.
- TLV - Threshold Limit Value.
- TWA - Time Weighted Average.

ENGINEERING CONTROLS:	Dilution ventilation: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
RESPIRATORY PROTECTION:	For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.
EYE/FACE PROTECTION:	Wear eye protection.
SKIN AND BODY PROTECTION:	Hand: Wear appropriate gloves. Skin and Body: Wear long sleeves and/or protective coveralls.
GENERAL INDUSTRIAL HYGIENE CONSIDERATIONS:	Wash hands before eating.
ENVIRONMENTAL EXPOSURE CONTROLS:	Follow best practice for site management and disposal of waste.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Translucent Liquid.
ODOUR:	Odourless.
ODOUR THRESHOLD:	Data Lacking.
PH:	8 (1% Solution).
FREEZING POINT:	0°C.
BOILING POINT:	Data Lacking.
FLASH POINT, METHOD:	Not Applicable.
EVAPORATION RATE:	Data Lacking.
FLAMMABILITY (SOLIDS AND GASES):	Not Flammable.
UPPER FLAMMABLE LIMIT (% BY VOL):	Not Flammable.
LOWER FLAMMABLE LIMIT (% BY VOL):	Not Flammable.
VAPOUR PRESSURE:	Data Lacking.
VAPOUR DENSITY (AIR=1):	Data Lacking.
SPECIFIC GRAVITY (WATER=1):	1.101 g/mL (at 25°C)
SOLUBILITY IN WATER (% W/W):	Soluble.
AUTO IGNITION TEMPERATURE:	Data Lacking.
PARTITION COEFFICIENT N-OCTANOL/WATER:	Data Lacking.
DECOMPOSITION TEMPERATURE:	Data Lacking.
VISCOSITY:	Not Applicable.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	No dangerous reaction known under conditions of normal use.
CHEMICAL STABILITY:	Stable under normal temperatures and pressures.
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.
CONDITIONS TO AVOID:	Dusting conditions, extreme humidity.
INCOMPATIBLE MATERIALS:	None Known.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of sodium, Oxides of phosphorus.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENT(S)	LC50	LD50
Polyphosphoric Acids, Sodium Salts	-	Ingestion/Oral (Rat) 3053 mg/kg

ACUTE TOXICITY

ORAL LD50:	See Above.
INHALATION LC50:	Data Lacking.
DERMAL LD50:	Data Lacking.
SKIN CORROSION / IRRITATION:	Data Lacking.
SERIOUS EYE DAMAGE / EYE IRRITATION:	OSHA Hazard Communication Standard (HCS) 2012 - Classification criteria not met.
RESPIRATORY OR SKIN SENSITIZATION:	OSHA HCS 2012 - Classification criteria not met.
GERM CELL MUTAGENICITY:	OSHA HCS 2012 - Classification criteria not met.
REPRODUCTIVE TOXICITY:	OSHA HCS 2012 - Classification criteria not met.
SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE:	OSHA HCS 2012 - Classification criteria not met.
STOT - REPEAT EXPOSURE:	OSHA HCS 2012 - Classification criteria not met.
ASPIRATION HAZARD:	OSHA HCS 2012 - Classification criteria not met.
CARCINOGENICITY:	OSHA HCS 2012 - Classification criteria not met.

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SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENIC EFFECTS:	This product does not contain any ingredient designated by International Agency for Research on Cancer (IARC), National Toxicology Program (NTP), ACGIH or OSHA as probable or suspected human carcinogens.
ROUTE(S) OF ENTRY/EXPOSURE:	Inhalation, Skin, Eye, Ingestion.
POTENTIAL HEALTH EFFECTS:	Acute: Inhalation: May cause irritation. Skin: May cause mild irritation. Eye: May cause mild irritation. Ingestion: Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort. Chronic (Delayed): Inhalation, Skin, Eye, and Ingestion: No data available.

SECTION 12: ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY:	No Data Available.
BIOACCUMULATIVE POTENTIAL:	No Data Available.
TOXICITY:	No Data Available.
MOBILITY IN SOIL:	No Data Available.
OTHER ADVERSE EFFECTS:	Ecological Fate: No Data Available.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
PACKAGING:	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: TRANSPORT INFORMATION

Transportation of Dangerous Goods (TDG):	Not Regulated.
US Department of Transportation (DOT):	Not Regulated.
International Maritime Dangerous Goods (IMDG):	Not Regulated.
International Air Transport Association (IATA):	Not Regulated.
UNITED NATIONS (UN) NUMBER:	Not Applicable.
TRANSPORT HAZARD CLASS:	Not Applicable.
PACKING GROUP:	Not Applicable.
PROPER SHIPPING NAME:	Not Applicable.
SPECIAL SHIPPING INSTRUCTIONS:	No special shipping requirements.

SECTION 15: REGULATORY INFORMATION

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION:	This is not a WHMIS controlled product.
HAZARDOUS PRODUCT REGULATIONS (HPR) COMPLIANCE:	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.
Canadian Environmental Protection Act (CEPA) - Priority Substance List:	Not Listed.
CANADIAN DOMESTIC SUBSTANCES LIST (DSL):	This material is listed on the Canadian DSL.
CANADIAN NON-DOMESTIC SUBSTANCES LIST (NDSL):	This material is NOT listed on the NDSL.

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SECTION 15: REGULATORY INFORMATION**UNITED STATES (US) FEDERAL REGULATIONS:**

<i>Superfund Amendments and Reauthorization Act (SARA):</i>	None.
OSHA Hazcom Standard Rating:	Not Listed.
<i>Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):</i>	Not Listed.
<i>US Toxic Substances Control Act (TSCA):</i>	Listed.

SECTION 16: OTHER INFORMATION

PREPARED BY:	T Donovan & Son (1997) Ltd.
PREPARATION DATE:	May 2018.

DISCLAIMER:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Regulatory requirements are subject to change and may differ between various locations. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.